

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	741	(organic with (EL electroluminescent)) AND ((dopant doped embedded diffused aggregated))	EPO; JPO; DERWENT	OR	OFF	2006/04/28 10:43
L2	77	(organic with (EL electroluminescent)) AND ((dopant doped embedded diffused aggregated)with(transport ETL (electron adj transport)))	EPO; JPO; DERWENT	OR	OFF	2006/04/28 10:44
S1	1253	(313/504).CCLS.	USPAT; USOCR	OR	OFF	2006/04/28 10:40
S3	22	("20020024293"   "20020028329"   "20020064681"   "20020121638"   "20030059646"   "20030108771"   "20030230980"   "20040197602"   "4769292"   "5247190"   "5703436"   "5707745"   "5834893"   "5844363"   "6013982"   "6087196"   "6091195"   "6097147"   "6294398"   "6303238"   "6337102"   "6468819").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/27 12:02
S4	183	S1 AND Alq3	US-PGPUB; USPAT	OR	OFF	2005/07/27 13:23
S6	1	("6097147").PN.	USPAT; USOCR	OR	OFF	2005/07/27 13:29
S7	2	S1 AND ((dopant doped embedded diffused aggregated)near(blocking))	US-PGPUB; USPAT	OR	OFF	2005/07/28 09:07
S8	798	S1 AND ((dopant doped embedded diffused aggregated))	US-PGPUB; USPAT	OR	OFF	2006/04/28 10:41
S9	13	S1 AND ((dopant doped embedded diffused aggregated) near5 (block\$3))	US-PGPUB; USPAT	OR	OFF	2005/07/27 14:27
S10	40	S1 AND ((dopant doped embedded diffused aggregated) near5 (block\$3 stability))	US-PGPUB; USPAT	OR	OFF	2005/07/27 13:33
S11	697	(313/503).CCLS.	USPAT; USOCR	OR	OFF	2005/07/27 14:27
S12	14	S11 AND ((dopant doped embedded diffused guest aggregated) near5 (block\$3 charge))	US-PGPUB; USPAT	OR	OFF	2005/07/27 14:30
S17	5	("4769292"   "5780174"   "6326224"   "6406801"   "6563261").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/27 15:04
S18	1	"6639357".pn.	US-PGPUB; USPAT	OR	OFF	2005/07/27 15:03

## EAST Search History

S19	292	(S1 OR S11) AND ((dopant doped embedded diffused aggregated guest) near5 (Al Ni Cu Zn Ga Mo Pd Ag In Sn Pt Au))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/27 15:09
S20	3	(S1 OR S11) AND ((dopant doped embedded diffused aggregated guest) near5 (Al Ni Cu Zn Ga Mo Pd Ag In Sn Pt Au) near5 (block\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/27 15:12
S21	199	(S1 OR S11) AND ((dopant doped embedded diffused aggregated guest) near5 (Al Ni Cu Zn Ga Mo Pd Ag Sn Pt Au))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/27 15:15
S22	199	(S1 S11 428/690,917) AND ((dopant doped embedded diffused aggregated guest) near5 (Al Ni Cu Zn Ga Mo Pd Ag Sn Pt Au))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/27 15:28
S24	1	("6878469").PN.	USPAT; USOCR	OR	OFF	2005/07/27 15:34
S25	55	(electroluminescent EL) AND((hole charge excitation) near3 block\$3)AND (Zn Zinc Au gold Ag silver Pt platinum)	EPO; JPO; DERWENT	OR	ON	2005/07/27 15:48
S26	1733	(electroluminescent EL) AND((hole charge excitation) near3 block\$3)AND (Zn Zinc Au gold Ag silver Pt platinum Al aluminum Ni nickel Cu copper Mo molybdenum)	US-PGPUB; USPAT	OR	ON	2005/07/27 15:54
S27	1373	(organic)AND(electroluminescent EL) AND((hole charge excitation) near3 block\$3)AND (Zn Zinc Au gold Ag silver Pt platinum Al aluminum Ni nickel Cu copper Mo molybdenum)	US-PGPUB; USPAT	OR	ON	2005/07/27 15:52
S29	2	(electroluminescent EL) AND((hole charge excitation) near3 block\$3)near5(dopant doped)near5 (Zn Zinc Au gold Ag silver Pt platinum Al aluminum Ni nickel Cu copper Mo molybdenum)	US-PGPUB; USPAT	OR	ON	2005/07/28 07:52
S30	9	(electroluminescent EL) AND(((hole charge excitation) near3 block\$3)OR(electron near3 transport))near5(dopant doped)near5 (Zn Zinc Au gold Ag silver Pt platinum Al aluminum Ni nickel Cu copper Mo molybdenum)	US-PGPUB; USPAT	OR	ON	2005/07/28 09:04

## EAST Search History

S32	9	(electroluminescent EL) AND(((hole charge excitation) near3 block\$3)OR(electron near3 transport))near5(dopant doped diffused guest embedded)near5 (Zn Zinc Au gold Ag silver Pt platinum Al aluminum Ni nickel Cu copper Mo molybdenum)	US-PGPUB; USPAT	OR	ON	2005/07/28 09:05
S34	1253	(313/504).CCLS.	USPAT; USOCR	OR	OFF	2005/07/28 09:08
S35	594	S34 AND (electron near3 transport)	US-PGPUB; USPAT	OR	OFF	2005/07/28 09:40
S39	1	"20040174116"	US-PGPUB; USPAT	OR	OFF	2005/07/28 10:06
S40	1	("6692846").PN.	USPAT; USOCR	OR	OFF	2005/07/28 14:15
S41	1	("5783292").PN.	USPAT; USOCR	OR	OFF	2005/07/28 15:29
S42	1	("4720432").PN.	USPAT; USOCR	OR	OFF	2005/07/28 15:11
S43	1	("4539507").PN.	USPAT; USOCR	OR	OFF	2005/07/28 15:28
S44	2965	(428/212).CCLS.	USPAT; USOCR	OR	OFF	2005/07/28 15:30
S47	31	S44 and(electroluminescent OR EL)and(electron near3 transport)	US-PGPUB; USPAT	OR	ON	2005/07/28 16:35
S48	11	S44 and(electroluminescent OR EL)and(hole near3 block\$3)	US-PGPUB; USPAT	OR	ON	2005/07/28 16:45
S49	1	S44 and(electroluminescent OR EL)and(charge near3 block\$3)	US-PGPUB; USPAT	OR	ON	2005/07/28 16:46
S50	39	S44 and(electroluminescent OR EL)and(dope dopant embedded diffused composite)AND(metal)	US-PGPUB; USPAT	OR	ON	2005/07/28 16:48
S57	1210	313/504 AND(work adj function)AND(organic near3 electroluminescent)	US-PGPUB; USPAT	OR	OFF	2005/08/01 11:55
S58	894	S57 AND (doped dopant)	US-PGPUB; USPAT	OR	OFF	2005/07/29 10:12
S59	189	S57 AND (doped dopant)AND(transition near3 metal\$2)	US-PGPUB; USPAT	OR	OFF	2005/07/29 10:13
S60	16	"5783292"	US-PGPUB; USPAT	OR	OFF	2005/07/29 14:04
S61	1	"20030230980"	US-PGPUB; USPAT	OR	OFF	2005/07/29 16:00

## EAST Search History

S62	1	"20010043044"	US-PGPUB; USPAT	OR	OFF	2005/07/29 16:00
S63	3583	428/690	US-PGPUB; USPAT	OR	OFF	2005/08/01 11:55
S64	2268	428/917	US-PGPUB; USPAT	OR	OFF	2005/08/01 11:55
S65	240	("313"/\$.ccls.)AND(organic same ((inorganic metal)with dopant))AND(OLED OELD (organic near2 (EL electroluminescent)))	US-PGPUB; USPAT	OR	ON	2005/12/07 08:37
S66	184	("428"/\$.ccls.)AND(organic same ((inorganic metal)with dopant))AND(OLED OELD (organic near2 (EL electroluminescent)))	US-PGPUB; USPAT	OR	ON	2005/12/07 10:49
S67	1409	("428"/\$.ccls. )AND(stability)AND(OLED OELD (organic near2 (EL electroluminescent)))	US-PGPUB; USPAT	OR	ON	2005/12/07 10:50
S68	580	("428"/\$.ccls.)AND(stability same ((light near2 emit\$4) LEL))AND(OLED OELD (organic near2 (EL electroluminescent)))	US-PGPUB; USPAT	OR	ON	2005/12/07 11:07
S69	111	("428"/\$.ccls.)AND(stability same ((light near2 emit\$4) LEL)same dopant)AND(OLED OELD (organic near2 (EL electroluminescent)))	US-PGPUB; USPAT	OR	ON	2005/12/07 11:07
S70	2176	("313"/\$.ccls. or "428"/\$.ccls. )and(((electron charge)with transport)ETL)same(inorganic metal Li lithium na sodium k potassium rb rubidium cs cesium mg magnesium ca calcium sr strontium ba barium la lanthanum ce cerium pr praseodymium nd neodymium sm samarium eu europium gd gadolinium tb terbium dy dysprosium ho holmium er erbium tm thulmium yb ytterbium lu lutetium y yttrium mn manganese))	US-PGPUB; USPAT	OR	ON	2006/04/19 16:16
S71	1	("6551725").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 15:45
S72	1	("6824950").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/19 15:45
S73	3	("5937272"   "6603139"   "6639357").PN. OR ("6824950"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 16:12

## EAST Search History

S75	0	("200435918 ").PN.	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/19 16:13
S76	2109	((((electron charge)with transport)ETL)same(inorganic metal Li lithium na sodium k potassium rb rubidium cs cesium mg magnesium ca calcium sr strontium ba barium la lanthanum ce cerium pr praseodymium nd neodymium sm samarium eu europium gd gadolinium tb terbium dy dysprosium ho holmium er erbium tm thulmium yb ytterbium lu lutetium y yttrium mn manganese))	EPO; JPO; DERWENT	OR	ON	2006/04/19 16:17
S77	97	((((electron charge)with transport)ETL)same(inorganic metal Li lithium na sodium k potassium rb rubidium cs cesium mg magnesium ca calcium sr strontium ba barium la lanthanum ce cerium pr praseodymium nd neodymium sm samarium eu europium gd gadolinium tb terbium dy dysprosium ho holmium er erbium tm thulmium yb ytterbium lu lutetium y yttrium mn manganese))same(dopant doped embedded diffused aggregated guest doping)	EPO; JPO; DERWENT	OR	ON	2006/04/19 16:43
S79	21	("313"/\$.ccls. or "428"/\$.ccls. )and(ECIE)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/19 16:46
S80	598	("313"/\$.ccls. or "428"/\$.ccls. )and(((electron charge)with transport)ETL)same(inorganic metal Li lithium na sodium k potassium rb rubidium cs cesium mg magnesium ca calcium sr strontium ba barium la lanthanum ce cerium pr praseodymium nd neodymium sm samarium eu europium gd gadolinium tb terbium dy dysprosium ho holmium er erbium tm thulmium yb ytterbium lu lutetium y yttrium mn manganese))same(dopant doped embedded diffused aggregated guest doping)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/20 08:21
S81	1	("20040174116").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 12:46

## EAST Search History

S82	1	("20040245917").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 12:46
-----	---	---------------------	------------------------------	----	-----	------------------